

C/007/022 Incoming

#4077

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SAVAGE

Savage Services Corporation
Coal & Power Services Group
2025 East 5000 South
Box 1001
Price, UT 84501

(435) 637-5664
Fax (435) 637-3418

Mr. Steve Christensen
Permit Supervisor
Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Attn: April Abate

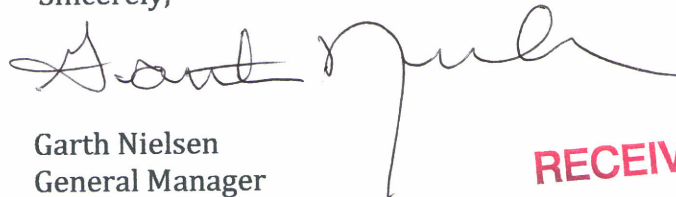
Re: Proposed Replacement Well
Savage Service Corporation
Savage Coal Terminal
C/007/0022

Dear Mr. Christensen:

Enclosed are 4 copies of a proposed amendment to the Savage Coal Terminal MRP for the installation of a new ground water monitoring well to replace the dry well S-1-GW. The new well will be designated S-3-GW. The proposed new well location is shown on enclosed Plate 7-1. An alternative location is also shown on the plate, in case the first location is not successful. The well will be installed by a licensed driller, under the direction of JBR Environmental Consultants, Inc.. This submittal is being made to address the Mid-Term Review deficiency under R645-301-728 & -765 (AAA), per the commitment in the cover letter. As indicated in that letter, the installation of the new well will take place within 30 days of Division approval of the amendment..

If you have any questions, or need additional information, please let me know.

Sincerely,



Garth Nielsen
General Manager

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DIV. OF OIL, GAS & MINING

Cc: Dan Guy
File

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☒ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

Permittee: Savage Services Corporation

Mine: Savage Coal Terminal

Permit Number:

C/007/0022

Title: Proposed Replacement Monitoring Well

Description, Include reason for application and timing required to implement:

To replace a dry ground water monitoring well.

Instructions: If you answer yes to any of the first eight questions, this application may require Public Notice publication.

- ☐ Yes ☒ No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ ☐ increase ☐ decrease.
- ☐ Yes ☒ No 2. Is the application submitted as a result of a Division Order? DO# _____
- ☐ Yes ☒ No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- ☐ Yes ☒ No 4. Does the application include operations in hydrologic basins other than as currently approved?
- ☐ Yes ☒ No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- ☐ Yes ☒ No 6. Does the application require or include public notice publication?
- ☐ Yes ☒ No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- ☐ Yes ☒ No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- ☐ Yes ☒ No 9. Is the application submitted as a result of a Violation? NOV # _____
- ☒ Yes ☐ No 10. Is the application submitted as a result of other laws or regulations or policies?

Explain: Commitment made previously to replace the dry well.

- ☐ Yes ☒ No 11. Does the application affect the surface landowner or change the post mining land use?
- ☐ Yes ☒ No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- ☐ Yes ☒ No 13. Does the application require or include collection and reporting of any baseline information?
- ☐ Yes ☒ No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- ☐ Yes ☒ No 15. Does the application require or include soil removal, storage or placement?
- ☐ Yes ☒ No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- ☒ Yes ☐ No 17. Does the application require or include construction, modification, or removal of surface facilities?
- ☒ Yes ☐ No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- ☒ Yes ☐ No 19. Does the application require or include certified designs, maps or calculation?
- ☐ Yes ☒ No 20. Does the application require or include subsidence control or monitoring?
- ☐ Yes ☒ No 21. Have reclamation costs for bonding been provided?
- ☐ Yes ☒ No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- ☐ Yes ☒ No 23. Does the application affect permits issued by other agencies or permits issued to other entities?
- ☐ Yes ☒ No 24. Does the application include confidential information and is it clearly marked and separated in the plan?

Please attach three (3) review copies of the application. If the mine is on or adjacent to Forest Service land please submit four (4) copies, thank you. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Garth Nielsen

General Manager

04/04/2012

Signature (Right-click above choose certify then have notary sign below)

Print Name

Position

Date

Subscribed and sworn to before me this 4 day of April, 2012

Notary Public: Tami L. McKendrick, state of Utah.

My commission Expires: 07-02-2014

Commission Number: 583388

Address: 1323 SO. 1000 W.

City: PRICE State: UT Zip: 84501



For Office Use Only:

Assigned Tracking
Number:

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DIV. OF OIL, GAS & MINING

| | | | |
|-------------------|--------------------------------------|-----------------------|------------|
| Permittee: | Savage Services Corporation | Permit Number: | C/007/0022 |
| Mine: | Savage Coal Terminal | | |
| Title: | Proposed Replacement Monitoring Well | | |

DESCRIPTION OF MAP, TEXT, OR MATERIAL TO BE CHANGED

[illegible]

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- 731.112. For the purposes of SURFACE COAL MINING AND RECLAMATION ACTIVITIES ground-water quantity will be protected by handling earth materials and runoff in a manner that will restore approximate premining recharge capacity of the reclaimed area as a whole, excluding coal mine waste disposal areas and fills, so as to allow the movement of water to the ground-water system.
- 731.120. Surface-Water Protection. In order to protect the hydrologic balance, coal mining and reclamation operations will be conducted according to the plan approved under R645-301-731 and the following:
- 731.121. Surface-water quality will be protected by handling earth materials, ground-water discharges and runoff in a manner that minimizes the formation of acidic or toxic drainage; prevents, to the extent possible using the best technology currently available, additional contributions of suspended solids to streamflow outside the permit area; and, otherwise prevent water pollution. If drainage control, restabilization and revegetation of disturbed areas, diversion of runoff, mulching or other reclamation and remedial practices are not adequate to meet the requirements of R645-301-731.100 through R645-301-731.522, R645-301-731.800 and R645-301-751, the operator will use and maintain the necessary water treatment facilities or water quality controls; and
- 731.122. Surface-water quantity and flow rates will be protected by handling earth materials and runoff in accordance with the steps outlined in the plan approved under R645-301-731.
- 731.200. There are presently 2 surface water monitoring points and 3 groundwater monitoring stations at the Savage Coal Terminal. One of the monitoring wells (S-1-GW) has not provided any information. This well will be replaced by a new well (S-3-GW) to be drilled north of the existing well. S-1-GW will be decommissioned as described under R645-301-748. All other ground water monitoring wells have been removed and sealed as of May 1999. The following is a list of existing water monitoring stations, along with sample frequency:

WATER MONITORING PROGRAM

| Station | Location | Type | Frequency | Flow Device | Results To | Remarks |
|---------|-------------------------|------------------------------|-------------|-----------------------|---------------------------------|---|
| CV-1-W | Pumphouse | French Drain | Bi-annually | Time/Volume or Depth | DOGM | Sample during 2 nd and 4 th Quarters. |
| CV-14-W | N.E. Corner Property | Ditch | Bi-annually | Time/Volume | DOGM | Sample during 2 nd and 4 th Quarters. |
| CV-15-W | Sediment Pond Discharge | Pond Outlet | Monthly | Hand-Held Time/Volume | E.P.A., DOGM, Utah Health Dept. | Monitored per UPDES Permit |
| S-3-GW* | South of French Drain | Ground Water Monitoring Well | Quarterly | Grab Sample Depth | DOGM | Quarterly - 2 years Bi-Annual - After |
| S--2-GW | South of Pond 5 | Ground Water Monitoring Well | Quarterly | Grab Sample Depth | DOGM | Quarterly - 2 years Bi-Annual - After |

*S-3-GW will replace S-1-GW. S-1-GW is to be removed and backfilled.

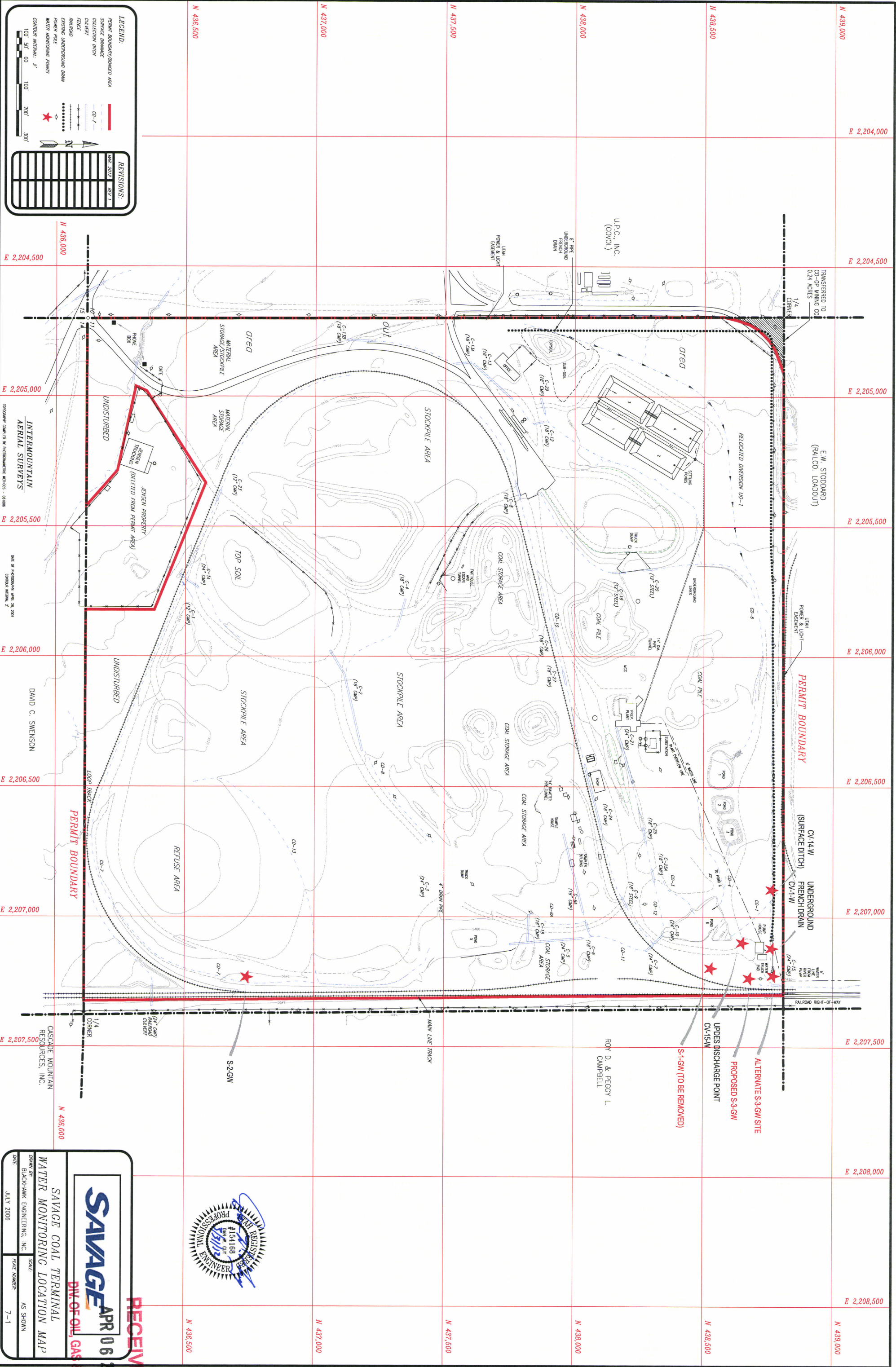
Note: In addition to the above regular water monitoring schedule, baseline sampling will be completed on all stations at least once each 5 years. Baseline samples were taken in the 4th Quarter of 2009 and are scheduled to be taken again in the 4th Quarter of 2013. Baseline samples are analyzed per the parameter list on Table 7-17.

Water monitoring will include parameters on Table 7-17. Results will be submitted to the Division within 60 days following the end of each sampling cycle.

- 746.221 The refuse pile is considered active and still under construction (and/or removal as discussed in Chapter 5); therefore, slopes and diversions have not been revegetated at this time.
- 746.222 N/A - No impoundments are planned on the refuse pile.
- 746.300 N/A - No impounding structures are constructed of coal mine waste.
- 746.400 N/A - There are no plans to return coal processing waste abandoned underground workings.
- 747 Non-coal mine waste is collected, stored and disposed of as described in Section 528.330.
- 747.100 See Section 528.330.
- 747.200 See Section 528.330.
- 747.300 See Section 528.330.
- 748 All decommissioned water monitoring wells have been plugged and sealed as approved by the Division. Existing groundwater monitoring well S-1-GW will also be decommissioned after a new well (S-3-GW) is completed. The well pipe will be cut off at least 6" below existing ground level. The well pipe will then be backfilled with sand or other fine native material to within 12" of the top of the pipe. The upper 12" will then be filled with concrete and the site backfilled to existing ground level. The 2 remaining water monitoring wells, French Drain collection sump and river pump well are shallow, water systems. They will be reclaimed according to the approved plan as described here and in Section 540 of this permit.
- 750 All coal mining and reclamation operations will be conducted to minimize disturbance to the hydrologic balance within the permit and adjacent areas, to prevent material damage to the hydrologic balance outside the permit area and support approved postmining land uses in accordance with the terms and conditions of the approved permit and the performance

standards of R645-301 and R645-302.

- 751 Discharges or water from areas disturbed by coal processing and reclamation operations will be made in compliance with all Utah and federal water quality laws and regulations and with effluent limitations for coal mining promulgated by the U.S. Environmental Protection Agency set forth in 40 CFR Part 434. (See approved UPDES Permit).
- 752 Sediment control measures are located, maintained, constructed and will be reclaimed according to plans and designs given under R645-301-312.240, R645-301-732, R645-301-742 and R645-301-760.
- 753 See Section 741.
- 754 See Section 528.
- 755 See Section 748.
- 760 Reclamation is discussed in Section 540 of this M.R.P.
- 761 Reclamation will be performed as per Sections 540 and 550
- 762 All roads will be removed and reclaimed during final reclamation.
- 763 Siltation structures will remain in place as described in Section 540, until removal by the Division.
- 764 See Section 540 for reclamation timetable.
- 765 See Section 540 and 748 for details on sealing of wells.



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SAVAGE COAL TERMINAL

WATER MONITORING LOCATION MAP

SCALE AS SHOWN

DATE JULY 2006

FILE NUMBER 7-1

DESIGNED BY BLACKHAWK ENGINEERING, INC.

DATE JULY 2006